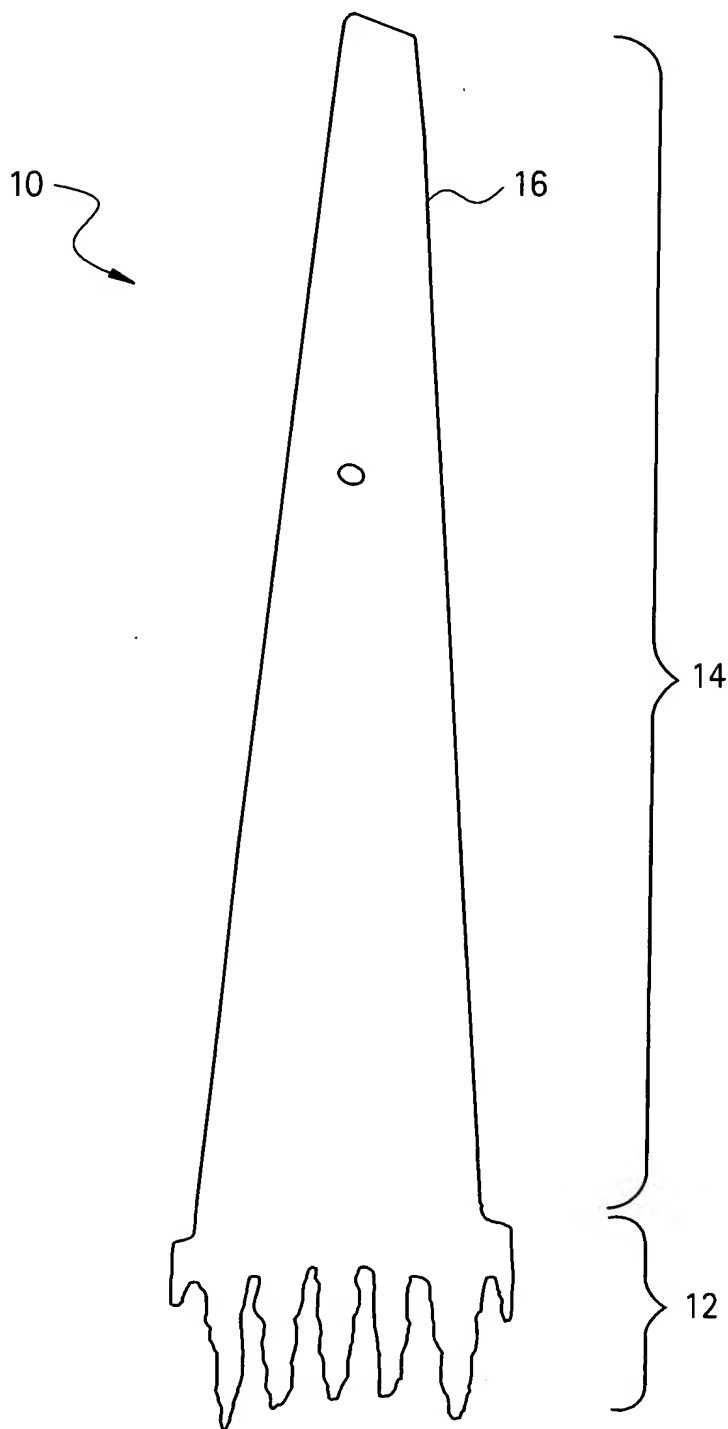




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FIG. 1



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FIG. 2
PRIOR ART

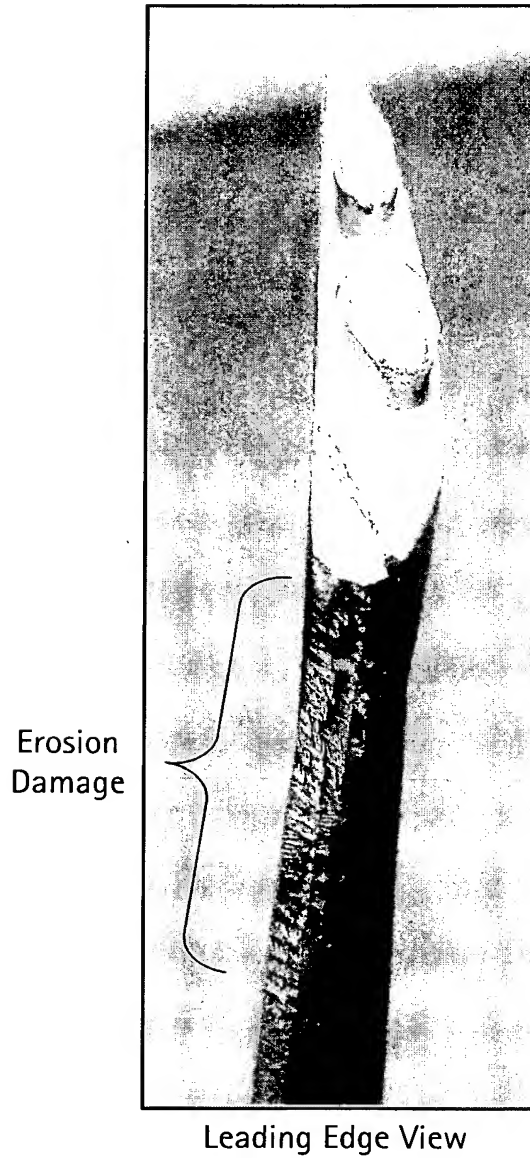
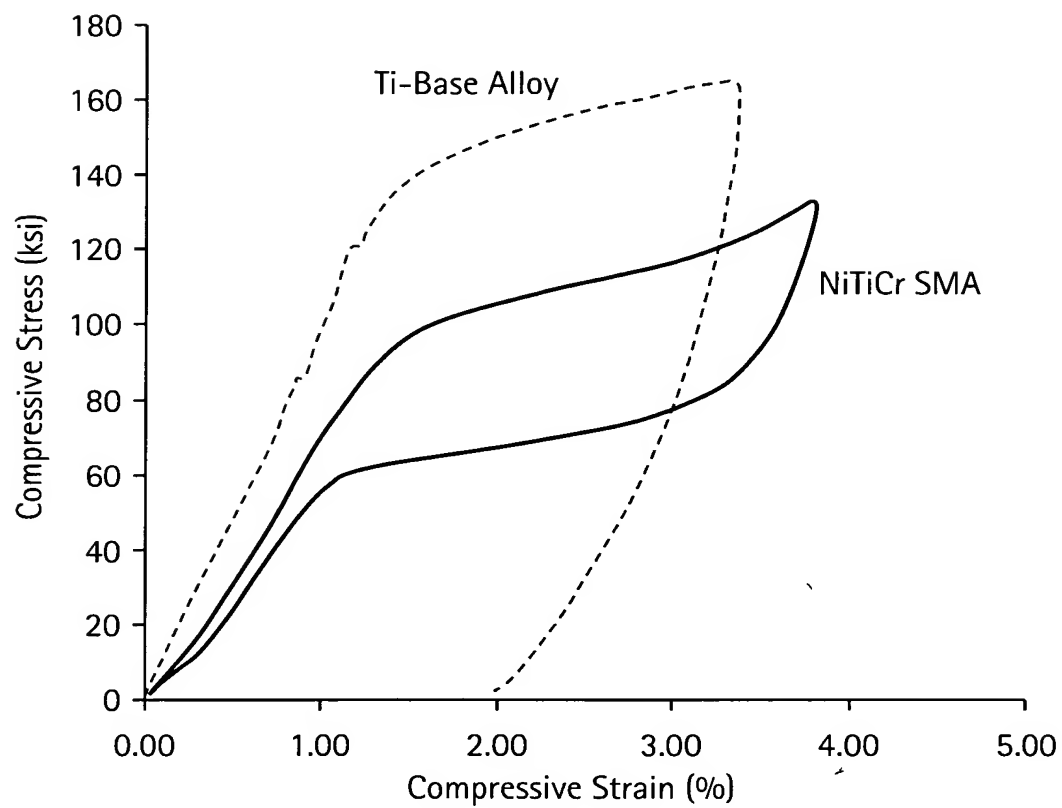


FIG. 3



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FIG. 4

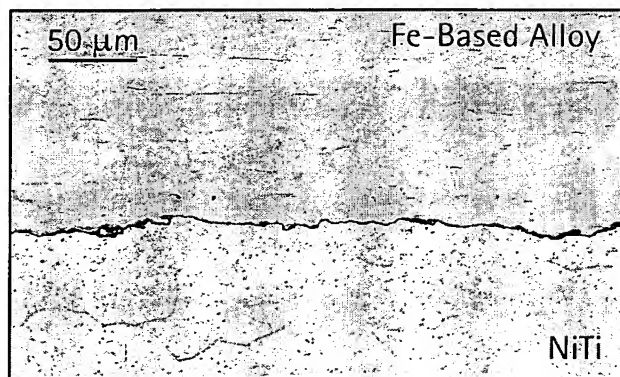
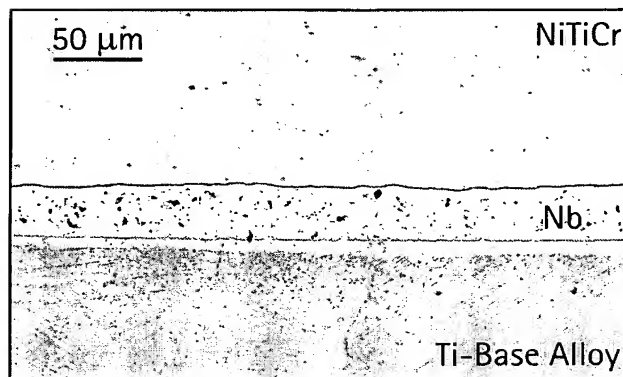


FIG. 5



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FIG. 6

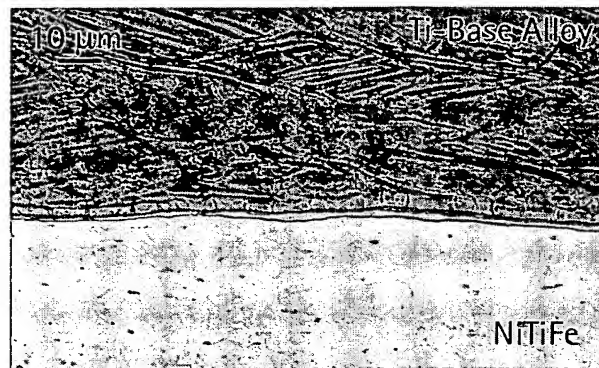
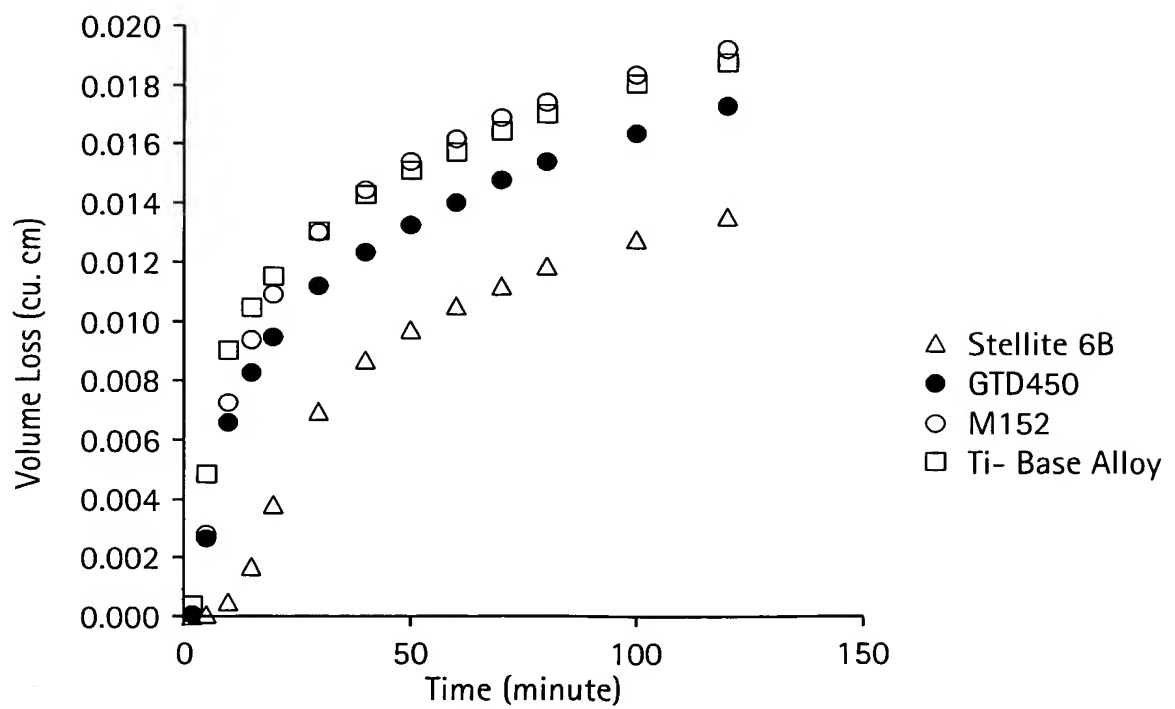
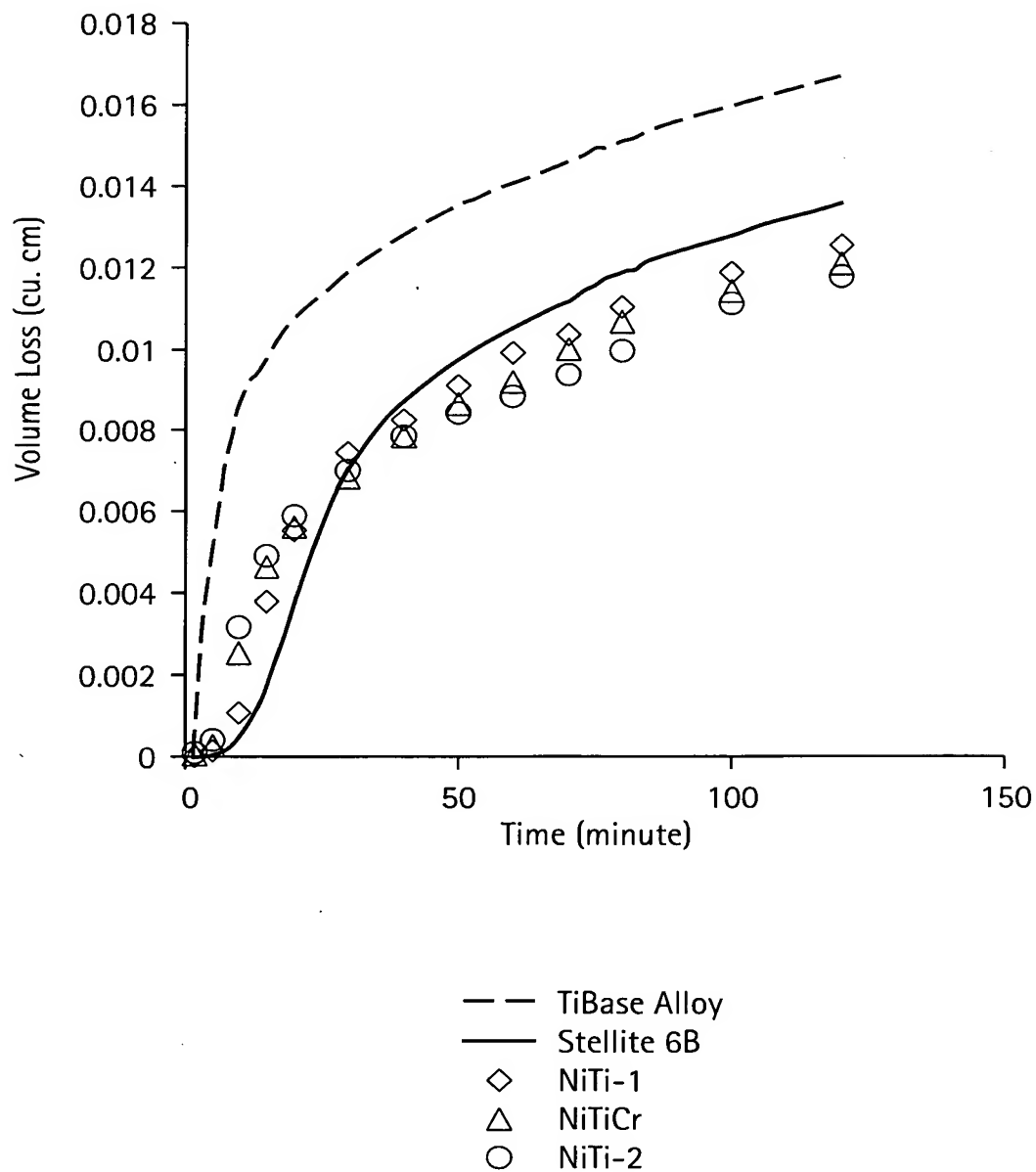


FIG. 7



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FIG. 8

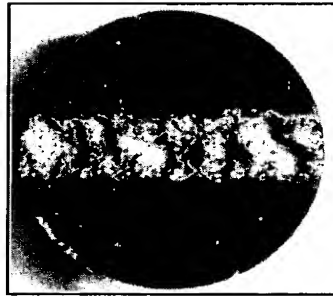


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FIG. 9

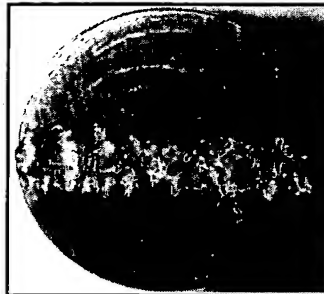
Average Erosion Depth
@ 10 min, 750ft/sec

Ti-Base Alloy



~ 16 mil

NiTiCr



~ 5 mil